

Appl. No. 09/758,484
Amdt. Dated March 24, 2005
Reply to Office action of January 12, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- OK to enter
JP
14 Apr 05
1. (canceled) A packet optimization method comprising:
generating a metric to indicate a channel condition based on an estimated error rate;
processing the metric to determine optimal packet-size for the channel condition; and
choosing the optimal packet-size corresponding to the processed metric to send to a requestor.
 2. (currently amended) ~~The packet optimization A method of claim 1, wherein~~
~~processing further includes comprising:~~
generating a metric to indicate a channel condition based on an estimated error rate;
processing the metric to determine optimal packet-size for the channel condition, the
processing comprising:
receiving the metric corresponding to the channel condition[;], and
using the received metric to balance a trade-off between the cyclic redundancy
check and re-transmission overhead; and
choosing the optimal packet-size corresponding to the processed metric to send to a
requestor.
 3. (currently amended) The ~~packet optimization~~ method of claim ~~[[1]]~~ 2, wherein
choosing the optimal packet ~~further includes~~ comprises training a neural network or look-up
table to optimally improve system data throughput by selecting a packet corresponding to the
channel condition.
 4. (currently amended) The ~~packet optimization~~ method of claim ~~[[1]]~~ 2, wherein
the optimal packet-size is a packet-size that minimizes both cyclic redundancy check and re-
transmission overhead.